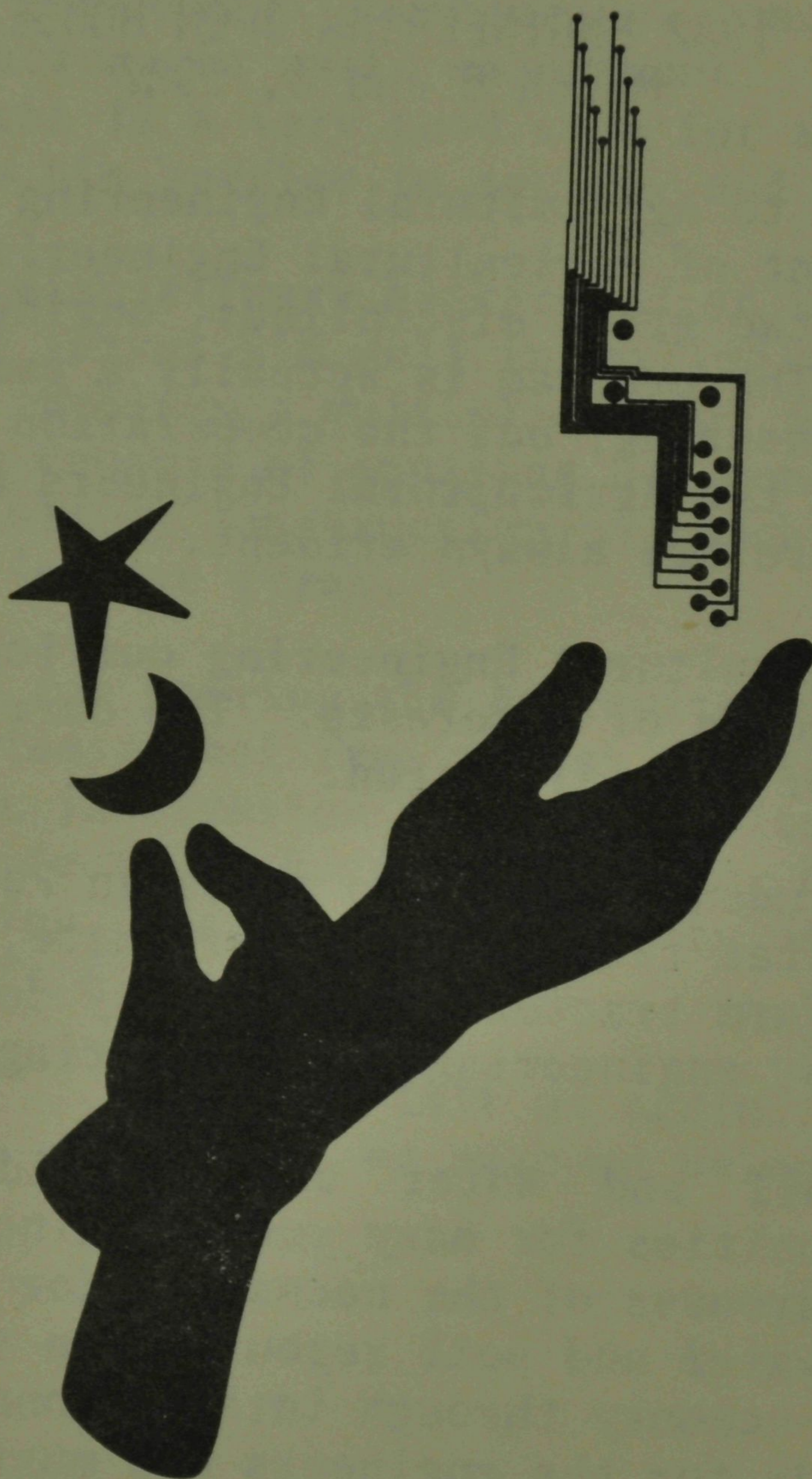


1982
Engineering Open House



THE MAGIC OF TECHNOLOGY
Agricultural Engineering

College of Engineering
University of Illinois at Urbana-Champaign
Friday, March 5, 9:30 a.m. to 6 p.m.
Saturday, March 6, 9 a.m. to 4 p.m.

Agricultural Engineering
The Profession with America's Future

1982 ENGINEERING OPEN HOUSE
March 5 and 6, 1982

Welcome to Agricultural Engineering Open House. The Department of Agricultural Engineering bridges the gap between two great disciplines, engineering and agriculture. The program is actually a part of the College of Engineering, but the cooperation and interaction between the Agricultural Engineers and the College of Agriculture are always evident.

The Agricultural Engineering curriculum offers a student a choice of interests. The curriculum has four areas of specialization.

Many students choose to major in Power and Machinery. After these students graduate, they may be engaged in farm tractor and machinery development, design, plant engineering, or consulting.

The Soil and Water area provides excellent opportunities for many young engineers. An increasing awareness of the necessity for the planned use of our water and soil resources on every level of activity--county through international--has set new standards for the engineers who must cope with problems of water shortage, flood control, and optimization of agronomic production through more efficient drainage, irrigation, and erosion control practices.

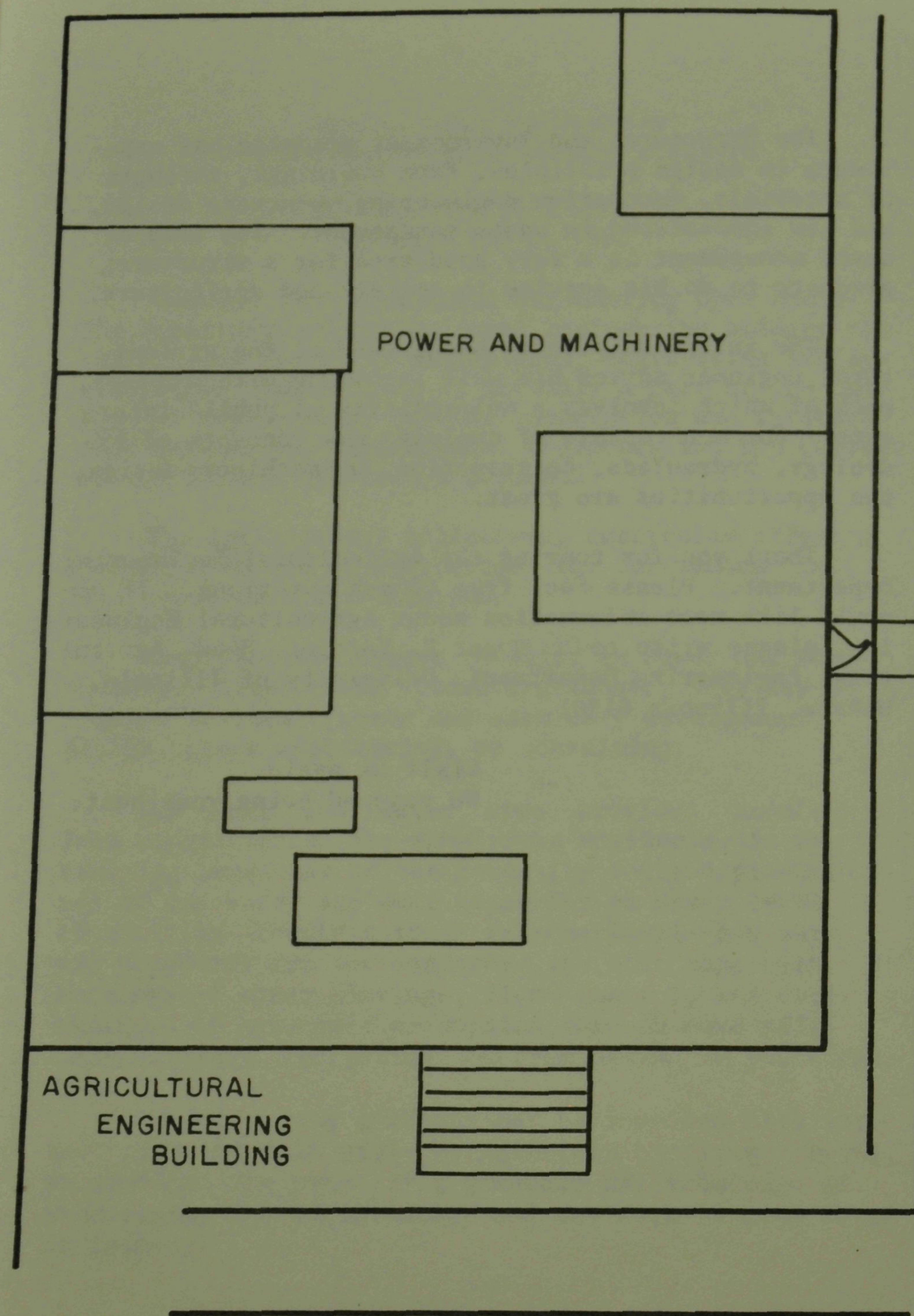
The Processing graduate may be involved with any sort of problem in grain or materials handling, drying, or storage. The processing graduate has knowledge of electronics and psychrometry and may work in many areas of industry.

The Structures and Environment graduate has experience in design principles, farm buildings, strength of materials, foundation engineering, concrete design, and new innovations in waste management. The area of waste management is a very good area for a structures graduate to do his service to society and agriculture.

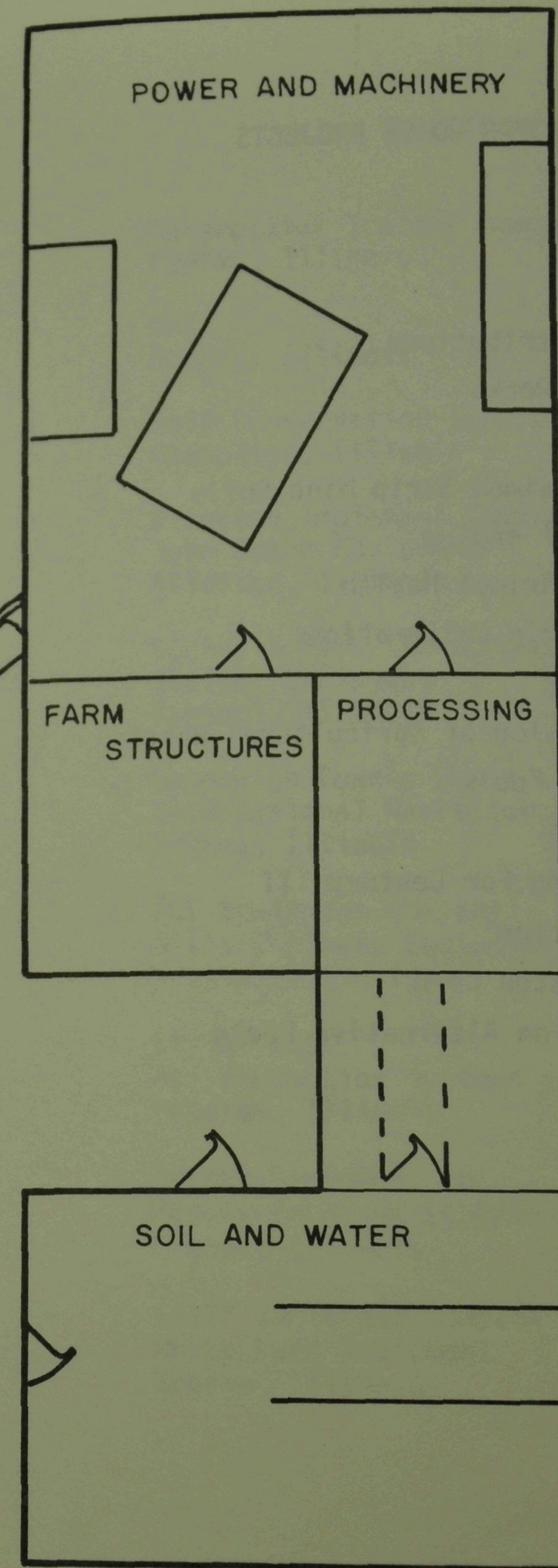
The interdisciplinary background of the agricultural engineer serves him well in dealing with problems, each of which involves a multiplicity of public interests. For men capable of applying new concepts of hydrology, hydraulics, construction, and machinery design, the opportunities are great.

Thank you for touring the Agricultural Engineering Department. Please feel free to ask questions. If you would like more information about Agricultural Engineering, please write to Dr. Roger R. Yoerger, Head, Agricultural Engineering Department, University of Illinois, Urbana, Illinois 61801.

Visit us again.
We enjoyed being your host.



X BUS STOP



AGRICULTURAL
ENGINEERING
TOURS

AG. ENGR. RESEARCH LAB.

ENGINEERING OPEN HOUSE PROJECTS

Soybean Snacks
Spray Patterns and Distributions
Solar Heat Storage in Rocks
Vibrations on Humans
Soil Erosion from Reclaimed Strip Mine Soils
Emissions from a diesel engine
Milk Conductivity and Animal Health
Moisture Meters and Their Calibrations
The Electronic Dipstick
Electrochemical Conversion of Agricultural Wastes
Physical Properties of Fuels
Loading of Grain Wagons
Agricultural Engineering For Century III
Triple Effect Distillation
Recovery of Captan Treated Corn
Performance of Engines on Alternative Fuels

INDUSTRIAL EXHIBITS

Caterpillar Tractor Company
Peoria, Illinois

DMI
Rankin, Illinois

Soil Conservation Service
Champaign, Illinois

Allerton Implement Company
John Deere Equipment
Allerton, Illinois

Birkey's Farm Store, Inc.
Steiger Equipment
Rantoul, Illinois

Champaign County Power and Equipment
International Harvester Equipment
Urbana, Illinois

ECI Equipment Company
Allis Chalmers Equipment
Urbana, Illinois

Illini F.S.
Ag. Production Systems and Supplies
Pesotum, Illinois

Massey Ferguson, Inc.
Massey Ferguson Equipment
Urbana, Illinois

Shaff Implement Company
White Farm Equipment
Urbana, Illinois